

County: Riley Fraction: SW NW SE SW Sec. 12 T 11 S R 6 E

CORRECTION(S) TO WATER WELL COMPLETION RECORD Form WWC-5 (to rectify lacking or incorrect information)

Owner: U.S. Army Corps of Engineers

If location corrected, was listed as:

Location changed to:

Section-Township-Range: None Given

12-11S-6E

Fraction (1/4 calls):

SW NW SE SW

Other changes: Initial statements: State Plane North coordinates (NAD 27):

283,115 N.; 2,363,393 E.

Changed to: Latitude: 39.104, Longitude: 96.719 (NAD 27).

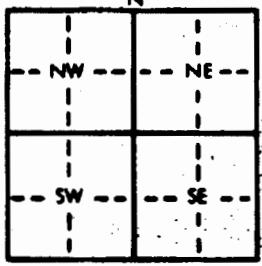
Comments: Section, Township, Range, & quarters assigned by projecting regular Public Land Survey System over the area.

Verification method: Latitude & longitude, KGS' "LEO" conversion tool, and KGS' online mapping tool.

Initials: DRA Date: 6/4/2019

Submitted by: ☒ Kansas Geological Survey, Data Resources Library, 1930 Constant Avenue, Lawrence, KS 66047-3724

☐ Kansas Dept. of Health & Environment, Bureau of Water, 1000 SW Jackson, Suite 420, Topeka, KS 66612-1367

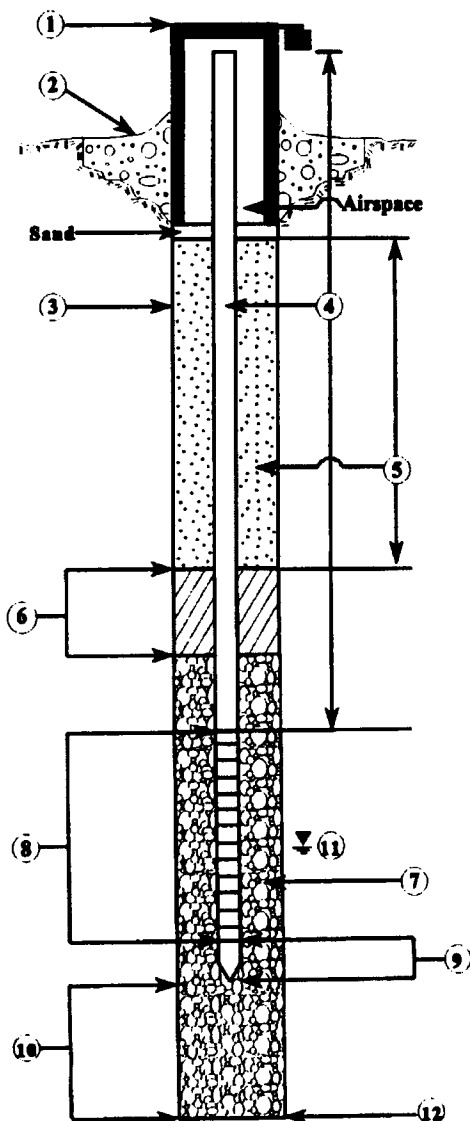
1 LOCATION OF WATER WELL: County: <u>Riley</u>		Fraction <u>See Below</u> $\frac{1}{4}$ $\frac{1}{4}$	Section Number	Township Number T S R	Range Number E W
Distance and direction from nearest town or city street address of well if located within city? <u>4th St., One Block N. of L Street Camp Funston, Ft. Riley, KS</u> 1245 MW94-2					
2 WATER WELL OWNER: <u>U.S. Army Corps of Engineers</u> RR#, St. Address, Box #: <u>601 East 12th St.</u> City, State, ZIP Code: <u>Kansas City, MO 64106</u>			Board of Agriculture, Division of Water Resources Application Number:		
3 LOCATE WELL'S LOCATION WITH 1" X 1" IN SECTION BOX: 		4 DEPTH OF COMPLETED WELL: <u>28.5</u> ft. ELEVATION: Depth(s) Groundwater Encountered 1. <u>19.1</u> ft. 2. ft. 3. ft. WELL'S STATIC WATER LEVEL ft. below land surface measured on mo/day/yr <u>11/14/94</u> Pump test data: Well water was ft. after hours pumping gpm Est. Yield gpm: Well water was ft. after hours pumping gpm Bore Hole Diameter <u>10.5</u> in. to <u>28</u> ft. and in. to ft. WELL WATER TO BE USED AS: 5 Public water supply 8 Air conditioning 11 Injection well 1 Domestic 3 Feedlot 6 Oil field water supply 9 Dewatering 12 Other (Specify below) 2 Irrigation 4 Industrial 7 Lawn and garden only 10 Monitoring well Was a chemical/bacteriological sample submitted to Department? Yes <u>No</u> ; If yes, mo/day/yr sample was submitted Water Well Disinfected? Yes <u>No</u>			
5 TYPE OF BLANK CASING USED: 1 Steel 3 RMP (SR) 2 PVC 4 ABS Bl casing diameter <u>2</u> in. to <u>11.5</u> ft. Dia. <u>6"x6" steel cover</u> in. to ft. Dia. in. to ft. Casing height above land surface <u>36</u> in. weight <u>6"x6" steel cover</u> lbs./ft. Wall thickness or gauge No. <u>Sch 40</u>		CASING JOINTS: Glued Clamped Welded Threaded <u>X</u>			
TYPE OF SCREEN OR PERFORATION MATERIAL: 1 Steel 3 Stainless steel 5 Fiberglass 8 RMP (SR) 2 Brass 4 Galvanized steel 6 Concrete tile 9 ABS SCREEN OR PERFORATION OPENINGS ARE: 1 Continuous slot 3 Mill slot 2 Louvered shutter 4 Key punched SCREEN-PERFORATED INTERVALS: From <u>26.5</u> ft. to <u>11.5</u> ft. From ft. to ft. GRAVEL PACK INTERVALS: From <u>28</u> ft. to <u>9.5</u> ft. From ft. to ft.		7 PVC 10 Asbestos-cement 11 Other (specify) 12 None used (open hole) 5 Gauzed wrapped 6 Saw cut 11 None (open hole) 6 Wire wrapped 9 Drilled holes 7 Torch cut 10 Other (specify)			
6 GROUT MATERIAL: 1 Neat cement 2 Cement grout 3 Bentonite 4 Other <u>Bentonite 9.5' - 6.5'</u> Gr intervals: From <u>6.5</u> ft. to <u>3.5</u> ft. From <u>Concrete</u> ft. From <u>3.5</u> ft. to <u>0</u> ft.		10 Livestock pens 14 Abandoned water well 11 Fuel storage 15 Oil well/Gas well 12 Fertilizer storage 16 Other (specify below) <u>USI Site</u> 13 Insecticide storage			
7 Direction from well? FROM TO LITHOLOGIC LOG FROM TO PLUGGING INTERVALS <u>5</u> <u>14'</u> <u>Gray Silty Clay</u> <u>5</u> <u>14'</u> <u>14'</u> <u>28'</u> <u>Gray Fine to Medium Sand</u> <u>14'</u> <u>28'</u> <u>* Location referenced to Ft. Riley Datum</u> <u>283,115 N.</u> <u>2,363,393 E.</u> <u>1,049.0 Elev.</u>		8 Pit privy 9 Feedyard 10 Livestock pens 14 Abandoned water well 11 Fuel storage 15 Oil well/Gas well 12 Fertilizer storage 16 Other (specify below) <u>USI Site</u> 13 Insecticide storage			
8 CONTRACTOR'S OR LANDOWNER'S CERTIFICATION: This water well was (1) constructed, (2) reconstructed, or (3) plugged under my jurisdiction and was completed on (mo/day/year) <u>11/14/94</u> and this record is true to the best of my knowledge and belief. Kansas Well Contractor's License No. <u>510</u> This Water Well Record was completed on (mo/day/yr) <u>2/17/95</u> under the business name of <u>MIKON Corporation</u> by (signature) <u>[Signature]</u>					

DAMES & MOORE

MONITORING WELL INFORMATION SHEET

Client U.S. Army Corps of Engineers
 Job Number 19577-019
 Boring Number BLDG 1245MW94-2
 Location Camp Funston, Bldg 1245
 Coordinates N: 283114.58146 E: 2363392.99830
 Ground Surface Elevation 1049.0244 feet MSL
 Top of Well Casing Elevation 1051.44 feet MSL
 By _____
 Date November 14, 1994

① Surface Completion Type	
	
☒ Protective casing with locking cap.	☐ Flush-mounted.



- 1) Surface Completion (see top diagram at left).
 Height of well casing above ground 2.42 feet.
 Locking cap ☒ Yes ☐ No.
 Bumper posts ☒ Yes ☐ No.
 Number 3 Size 2"
- 2) Concrete pad ☒ Yes ☐ No.
 Size (length/width/height) 4'x4'x4"
- 3) Borehole diameter 10.5 inches.
- 4) Total length of riser pipe 13.9 feet.
 Pipe diameter 2.0 inches.
 Pipe material PVC
 Schedule 40
 Centralizers ☐ Yes ☒ No.
 Number N/A
 Depths N/A
- 5) Type of upper backfill 94:3 CEMENT-BENTONITE GROUT
 Depth to top of upper backfill 3.0 feet below surface.
- 6) Seal Material BENTONITE SLURRY
 Depth to top of seal (if installed) 6.5 feet below surface.
- 7) Type of filter pack material around screen 20/40 SILICA SAND
 Filter pack ☒ Yes ☐ No.
 Depth to top of filter pack 9.5 feet below surface.
- 8) Length of well screen 15.0 feet.
 Diameter of screen 2.0 inches.
 Slot size of screen 0.010 inches.
 Screen Material PVC
 Schedule 40
 Depth to top of well screen 11.5 feet below surface.
- 9) Length of sediment trap (solid pipe below slot) 0.5 feet.
- 10) Type of lower backfill 20/40 SILICA SAND
- 11) Depth to ground water 17.46 feet measured on 11/16/94 (date).
- 12) Boring completed at 28.0 feet on 11/14/94 (date).
 Quantity of non chlorinated water introduced during installation 30 gallons.

524269

HTW DRILLING LOG

HOLE NO: Bldg 1245MW94-2
SHEET 2 OF 4

ELEV	DEPTH	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS (PPM) d	GEOTECH SAMPLE OR CORE BOX NO. e	ANALYTICAL SAMPLE NO. (TIME) f	RECOVERY g	REMARKS h
a	b	c	d	e	f	g	h
	4'--- . . .	Dark gray silty clay (soft) (moist)	CS: 0 HS: 300		1030	Run: 4.0 Rec: 2.0	Diesel odor
	5'--- . . .						
	6'--- . . .		HS: 150				Diesel odor
	7'--- . . .						
	8'--- . . .				1035	Run: 2.0 Rec: 0.0	
	9'--- . . .						
	10'--- . . .	(medium stiff) (moist)	SS: 12 HS: 350		1040		Diesel odor
	11'--- . . .						
d:\Job\19577019		PROJECT POL UST Investigation/Remedial Action Plans, DACW41-89-D-0122,D.O.0013				HOLE NO: Bldg 1245SMW94-2	

HTW DRILLING LOG

HOLE NO: Bldg1245MW94-2
SHEET 3 OF 4

ELEV	DEPTH	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS (PPM)	GEOTECH SAMPLE OR CORE BOX NO.	ANALYTICAL SAMPLE NO. (TIME)	RECOVERY	REMARKS
a	b	c	d	e	f	g	h
	12'—	Brown to gray silty clay with trace sand, very fine (soft) (moist to wet)	SS: 14 HS: 500		1045	Run: 2.0 No record of recovery	Diesel odor
	13'—						
	14'—	Gray to light gray silty clay (soft) (moist)	SS: 17 HS: 450		1052	Run: 2.0 Rec: 2.0	Diesel odor
	15'—						
	16'—	Gray silty sand, fine (soft) (moist to wet)	SS: 150 HS: 400		1055	Run: 2.0 Rec: 2.0	Strong diesel odor
	17'—						
	18'—	Gray sand, medium, with some silt (loose) (saturated)	SS: 200 HS: 350		1102	Run: 2.0 Rec: 2.0	Strong diesel odor
	19'—						
	20'—		HS: 550		1107	Run: 2.0 Rec: 0.5	Strong diesel odor

524269

HTW DRILLING LOG

HOLE NO: Bldg1245MW94-2
SHEET 4 OF 4

ELEV	DEPTH	DESCRIPTION OF MATERIALS	FIELD SCREENING RESULTS (PPM)	GEOTECH SAMPLE OR CORE BOX NO.	ANALYTICAL SAMPLE NO. (TIME)	RECOVERY	REMARKS
a	b	c	d	e	f	g	h
	21'— . . .						
	22'— . . .		SS: 8 HS: 380		1115	Run: 2.0 No record of recovery	Strong diesel/gasoline odor
	23'— . . .						
	24'— . . .		SS: 7 HS: 150		1125	Run: 2.0 Rec: 2.0	Diesel odor
	25'— . . .						
	26'— . . .	Gray sand, medium (loose) (saturated)	SS: 2 HS: 180		1138	Run: 2.0 Rec: 2.0	Diesel odor
	27'— . . .						
		Bottom of Boring.					
	28'— . . .	Depositional type—Alluvium Boring completed at 28.0 feet on 11/14/94. Groundwater encountered at 18.00 feet. Monitoring well installed in completed boring.					
	29'— . . .						
d:\job\19577019	PROJECT POL UST Investigation/Remedial Action Plans, DACW41-89-D-0122,D.O.0013					HOLE NO: Bldg1245MW94-2	